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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/764,314	01/23/2004	Alexander Reshtov	42P8655C	8166

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Brent E. Vecchia
Blakely, Sokoloff, Taylor & Zafman LLP
7th Floor
12400 Wilshire Boulevard
Los Angeles, CA 90025

EXAMINER

SHERALI, ISHRAT I

ART UNIT	PAPER NUMBER
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2624

MAIL DATE	DELIVERY MODE
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08/24/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/764,314	Applicant(s) RESHETOV ET AL.	
	Examiner Sherali Ishrat	Art Unit 2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,5,7,8,10-14,31 and 32 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) 10-14 is/are allowed.
- 6) ☐ Claim(s) 1,2,5,7-8,31 and 32 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>1/23/04 and 5/22/07</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-2, 5, 7-8 are rejected under 35 U.S.C. 102(a) as being anticipated by the article "Texture Compression Survey" by Ivanov (IDS).

Regarding claims 1-2 and 7-8 Ivanov disclose for each of a plurality of blocks in an image, generating compressed information including information representing a single color value and information representing a plurality of color palette indices (Ivanov pages 3-4), the blocks comprise texture blocks, the image includes a texture, and the compressed information includes compressed texture information (Ivanov, pages 3-4) and the plurality of texture blocks comprise a plurality of 4x4 texel blocks (Ivanov pages 3-4).

Regarding claim 5, Ivanov discloses generating the compressed texture information is done without determining sequences of repeating elements (Ivanov pages 2-4, note that color palette indices means no determine sequence of repeating elements).

3. Claims 1-2, 5, 7-8 are rejected under 35 U.S.C. 102(a) as being anticipated by the article "DXTn Texture compression" by Cross (IDS).

Regarding claims 1-2 and 7-8 Cross disclose for each of a plurality of blocks in an image, generating compressed information including information representing a single color value and information representing a plurality of color palette indices (Cross pages 2-3) , the blocks comprise texture blocks, the image includes a texture, and the compressed information includes compressed texture information (Cross, pages 2-3) and the plurality of texture blocks comprise a plurality of 4x4 texel blocks (Cross pages 2-3).

Regarding claim 5, Cross discloses generating the compressed texture information is done without determining sequences of repeating elements (Cross page 2, note that color palette indicies means no determine sequence of repeating elements).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 31-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over the article "Texture Compression Survey" by Ivanov (IDS) in view of Iyama (US 5,327, 264) .

Regarding claim 31 Ivanov disclose for each of a plurality of blocks in an image, generating compressed information including information representing a single color value and information representing a plurality of color palette indices (Ivanov pages 3-4)

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, the blocks comprise texture blocks, the image includes a texture, and the compressed information includes compressed texture information (Ivanov, pages 3-4) and the plurality of texture blocks comprise a plurality of 4x4 texel blocks (Ivanov pages 3-4).

However Ivanov has not disclosed explicitly memory coupled to bus, a network interface and processor coupled to the bus.

In the same field of image compression Iyama disclose memory coupled to bus, a network interface and processor coupled to the bus (Iyama Fig.2).

Therefore it would have been obvious to one having ordinary skill in the art at the time the invention was made to use memory coupled to bus, a network interface and processor coupled to the bus in the system Ivanov as shown by Iyama because such a process would able the client to access the Ivanov texture base compression system remotely.

Regarding claim 32, Ivanov disclose wherein an index of the plurality of indices refers to a single color value of another block of the image. (Ivanov Pages 2-3).

6. Claims 31-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over the article "DxTn Texture Compression " by Cross (IDS) in view of Iyama (US 5,327, 264) .

Cross disclose for each of a plurality of blocks in an image, generating compressed information including information representing a single color value and information representing a plurality of color palette indices (Cross pages 2-3) , the blocks comprise texture blocks, the image includes a texture, and the compressed

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information includes compressed texture information (Cross, pages 2-3) and the plurality of texture blocks comprise a plurality of 4x4 texel blocks (Cross pages 2-3). However Ivanov has not disclosed explicitly memory coupled to bus, a network interface and processor coupled to the bus.

In the same field of image compression Iyama disclose memory coupled to bus, a network interface and processor coupled to the bus (Iyama Fig.2).

Therefore it would have been obvious to one having ordinary skill in the art at the time the invention was made to use memory coupled to bus, a network interface and processor coupled to the bus in the system Cross as shown by Iyama because such a process would enable the client to access the Cross texture base compression system remotely.

Allowable Subject Matter

5. Claims 10-14 are allowable over prior art of record.

Communication

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherali Ishrat whose telephone number is 571-272-7398. The examiner can normally be reached on 8:00 AM - 4:30PM.

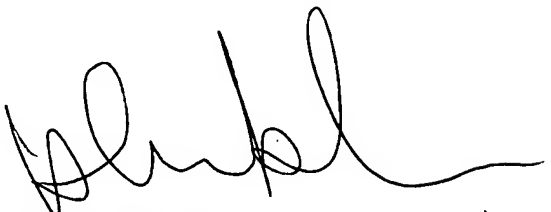
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 571-272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ishrat Sherali

August 10, 2007



ISHRAT SHERALI
PRIMARY EXAMINER